

WEST Search History

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DATE: Wednesday, April 28, 2004

<u>Hide?</u>	<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>
			<i>DB=USPT,PGPB,JPAB,EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L52	(CA-2342007-A1)![did]		0
			<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L51	L9 and ((fraction\$5 or portion or part\$5 or amount or "how much") with (oil or water or hydrogeneous or connate or fluid\$5))		7
<input type="checkbox"/>	L50	L49 and (emuls\$9 or mixture or fluid)		5
<input type="checkbox"/>	L49	L48 and ((weight or weigh\$4 or heavy) with (spectr\$4 or amplitude or value or index\$3 or amount))		5
<input type="checkbox"/>	L48	L46 and ((transverse or longitudinal or "spin-lattice" or "spin-spin" or "spin spin" or "spin lattice" or "t2" or "t.sub.2" or "t.sub.1" or "t1" or relax\$8) with (cutoff or cut-off or "cut off" or threshold\$4))		8
<input type="checkbox"/>	L47	L46 and (emuls\$9)		7
<input type="checkbox"/>	L46	L45 and (relaxometer or relaxometry)		25
<input type="checkbox"/>	L45	L44 and (weight or weigh\$4)		3445
<input type="checkbox"/>	L44	L43 and (low\$4 or high\$3 or standard)		4073
<input type="checkbox"/>	L43	L42 and (spectr\$4 or amplitude or value or index\$3 or amount)		4080
<input type="checkbox"/>	L42	L41 and (transverse or longitudinal or "spin-lattice" or "spin-spin" or "spin spin" or "spin lattice" or "t2" or "t.sub.2" or "t.sub.1" or "t1" or relax\$8)		4117
<input type="checkbox"/>	L41	L40 and (cutoff or cut-off or "cut off" or threshold\$4)		11441
<input type="checkbox"/>	L40	L39 and (oil or water or hydrogeneous or connate or fluid\$5 or emulsion)		121411
<input type="checkbox"/>	L39	L1 and (fraction\$4 or portion\$3 or part or partial\$2)		139246
<input type="checkbox"/>	L38	L1 and (fraction\$4 or portion\$3 or part\$5)		138405
			<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L37	6242912		14
<input type="checkbox"/>	L36	L35 and (weight\$4 or wait\$4)		2
<input type="checkbox"/>	L35	L34 and (spectr\$4 or amplitude or value or index\$3)		2
<input type="checkbox"/>	L34	L33 and (water with oil)		2
<input type="checkbox"/>	L33	L31 and (heavy or crude or hydrocarbon)		2
<input type="checkbox"/>	L32	('6005389') [ABPN1,NRPN,PN,TBAN,WKU]		2
<input type="checkbox"/>	L31	L30 and (cpmg or (spin adj echo) or spin-echo\$2 or spinecho\$2)		2
<input type="checkbox"/>	L30	L29 and (transverse or "spin-spin" or "spin spin" or "t2" or "t.sub.2" or relax\$8)		2
<input type="checkbox"/>	L29	L28 and (cutoff or cut-off or "cut off" or threshold\$4)		2
<input type="checkbox"/>	L28	L27 and (oil)		5

<input type="checkbox"/>	L27	L26 and (water)	5
<input type="checkbox"/>	L26	L24 and (bitumen)	6
<input type="checkbox"/>	L25	L24 and (bitrium)	0
<input type="checkbox"/>	L24	((324/303)!.CCLS.)	445
<input type="checkbox"/>	L23	L21 and (temperature or heat\$4)	7
<input type="checkbox"/>	L22	L21 and (relaxometer or relaxometry)	3
<input type="checkbox"/>	L21	L20 and (water with oil)	8
<input type="checkbox"/>	L20	L19 and (water)	11
<input type="checkbox"/>	L19	L16 and (oil)	15
<input type="checkbox"/>	L18	L17 and (heavy with (oil or water or fluid))	2
<input type="checkbox"/>	L17	L16 and (emuls\$9)	8
<input type="checkbox"/>	L16	L15 and (oil or water or hydrogeneous or connate or fluid\$5)	76
<input type="checkbox"/>	L15	L14 and (low\$4 or high\$4 or standard or averag\$4)	77
<input type="checkbox"/>	L14	L13 and (spectr\$6 or amplitude or value or index\$3)	77
<input type="checkbox"/>	L13	L12 and (cutoff or cut-off or "cut off" or threshold\$4)	77
<input type="checkbox"/>	L12	L11 and (weight\$4 or heavy)	216
<input type="checkbox"/>	L11	L10 and (transverse or "spin-spin" or "spin spin" or "t2" or "t.sub.2" or relax\$8)	413
<input type="checkbox"/>	L10	L1 and ((low with field) with ((magnetic adj resonance) or MRI or NMR))	893
<input type="checkbox"/>	L9	L8 and (low\$4 or high or standard)	7
<input type="checkbox"/>	L8	L7 and (spectr\$4 or amplitude or value or index\$3)	7
<input type="checkbox"/>	L7	L6 and (emuls\$9)	7
<input type="checkbox"/>	L6	L5 and (transverse or longitudinal or "spin-lattice" or "spin-spin" or "spin spin" or "spin lattice" or "t2" or "t.sub.2" or "t.sub.1" or "t1" or relax\$8)	29
<input type="checkbox"/>	L5	L4 and (weight\$4 or heavy)	29
<input type="checkbox"/>	L4	L3 and (cutoff or cut-off or "cut off" or threshold\$4)	33
<input type="checkbox"/>	L3	L2 and (oil or water or hydrogeneous or connate or fluid\$5)	88
<input type="checkbox"/>	L2	L1 and (relaxometer or relaxometry)	111
<input type="checkbox"/>	L1	((magnetic adj resonance) or MRI or NMR)	171031

END OF SEARCH HISTORY

Priority Due 3/26/2002

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Search Results - Record(s) 1 through 7 of 7 returned.

1. Document ID: US 20030215392 A1

Using default format because multiple data bases are involved.

L9: Entry 1 of 7

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030215392

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030215392 A1

Dave No good

3/26/2002

TITLE: Paramagnetic particles that provide improved relaxivity

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lanza, Gregory M.	St. Louis	MO	US	
Wickline, Samuel A.	St. Louis	MO	US	

US-CL-CURRENT: 424/9.32; 424/9.322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

2. Document ID: US 20030185760 A1

L9: Entry 2 of 7

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030185760

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030185760 A1

Dave No good 3/26/2002

TITLE: Paramagnetic particles that provide improved relaxivity

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lanza, Gregory	St. Louis	MO	US	
Wickline, Samuel A.	St. Louis	MO	US	

US-CL-CURRENT: 424/9.321

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw
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3. Document ID: US 20030092029 A1

L9: Entry 3 of 7

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092029

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030092029 A1

TITLE: Magnetic-nanoparticle conjugates and methods of use

PUBLICATION-DATE: May 15, 2003

6/6/2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Josephson, Lee	Arlington	VA	US	
Weissleder, Ralph	Charlestown	MA	US	
Perez, J. Manuel	Boston	MA	US	

US-CL-CURRENT: 435/6; 435/7.5, 436/526

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw
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4. Document ID: US 2003009297 A1

L9: Entry 4 of 7

File: PGPB

Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 2003009297

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 2003009297 A1

Applicant's work N/A

TITLE: Determination of oil and water compositions of oil/water emulsions using low field NMR Relaxometry

PUBLICATION-DATE: January 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mirochnik, Konstantin	Calgary		CA	
Allsopp, Kevin	Calgary		CA	
Kantzas, Apostolos	Calgary		CA	
Marentette, Daniel	Calgary		CA	

US-CL-CURRENT: 702/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw
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5. Document ID: US 5260050 A

L9: Entry 5 of 7

File: USPT

Nov 9, 1993

US-PAT-NO: 5260050

DOCUMENT-IDENTIFIER: US 5260050 A

TITLE: Methods and compositions for magnetic resonance imaging comprising superparamagnetic ferromagnetically coupled chromium complexes

DATE-ISSUED: November 9, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ranney; David F.	Dallas	TX	75234	

US-CL-CURRENT: 424/9.351; 424/617, 424/9.35, 436/173, 436/806, 536/102, 536/112,
536/122, 556/61, 600/420

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	DOCID	Drawn D
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 6. Document ID: US 5213788 A

L9: Entry 6 of 7

File: USPT

May 25, 1993

US-PAT-NO: 5213788

DOCUMENT-IDENTIFIER: US 5213788 A

** See image for Certificate of Correction **

TITLE: Physically and chemically stabilized polyatomic clusters for magnetic resonance image and spectral enhancement

DATE-ISSUED: May 25, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ranney; David F.	Dallas	TX	75234	

US-CL-CURRENT: 424/9.322; 424/617, 424/9.35, 436/173, 436/806, 514/56, 514/836,
600/420

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	DOCID	Drawn D
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 7. Document ID: CA 2342007 A1, US 20030009297 A1

L9: Entry 7 of 7

File: DWPI

Sep 26, 2002

DERWENT-ACC-NO: 2003-329971

DERWENT-WEEK: 200331

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Applnakis art work N/A

Applicant on Work P/A

TITLE: Oil content determination apparatus has low field nuclear magnetic resonance relaxometer having magnet, mechanism for determining total amplitude of spectrum, and mechanism for converting amplitude value to weight value

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Print](#) | [Claims](#) | [TOC](#) | [Drawn Ds](#)

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Term	Documents
HIGH	5793515
HIGHS	2182
STANDARD	1195892
STANDARDS	199232
LOW\$4	0
LOW	3519940
LOWA	52
LOWABLE	19
LOWAC	6
LOWACID	4
(L8 AND (LOW\$4 OR HIGH OR STANDARD)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	7

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1. Document ID: US 20040027122 A1

Using default format because multiple data bases are involved.

L26: Entry 1 of 6

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040027122

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040027122 A1

TITLE: METHOD FOR DETECTING HYDROCARBONS BY COMPARING NMR RESPONSE AT DIFFERENT DEPTHS OF INVESTIGATION

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Heaton, Nicholas J.	Houston	TX	US	
Freedman, Robert	Houston	TX	US	

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn De](#)

2. Document ID: US 6703832 B2

L26: Entry 2 of 6

File: USPT

Mar 9, 2004

US-PAT-NO: 6703832

DOCUMENT-IDENTIFIER: US 6703832 B2

TITLE: Method for detecting hydrocarbons by comparing NMR response at different depths of investigation

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heaton; Nicholas J.	Houston	TX		
Freedman; Robert	Houston	TX		

US-CL-CURRENT: 324/303; 324/300

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Draws]

3. Document ID: US 6477516 B1

L26: Entry 3 of 6

File: USPT

Nov 5, 2002

US-PAT-NO: 6477516

DOCUMENT-IDENTIFIER: US 6477516 B1

TITLE: System and method for predicting parameter of hydrocarbon with spectroscopy and neural networks

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Colaiocco; Silvia Rosa	Miranda			VE
Espidel; Youssef Euclio	La Victoria			VE

US-CL-CURRENT: 706/21; 324/303

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Draws]

4. Document ID: US 6255818 B1

L26: Entry 4 of 6

File: USPT

Jul 3, 2001

US-PAT-NO: 6255818

DOCUMENT-IDENTIFIER: US 6255818 B1

TITLE: Method and apparatus for performing magnetic resonance measurements

DATE-ISSUED: July 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heaton; Nicholas J.	Houston	TX		
Davies; Dylan H.	Sugar Land	TX		
Taherian; M. Reza	Stafford	TX		
Sun; Boqin Q.	Sugar Land	TX		
Sezginer; Abdurrahman	Houston	TX		

US-CL-CURRENT: 324/303; 324/318

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Claims] [KMC] [Draws]

5. Document ID: US 6140817 A

L26: Entry 5 of 6

File: USPT

Oct 31, 2000

US-PAT-NO: 6140817

DOCUMENT-IDENTIFIER: US 6140817 A

TITLE: Magnetic resonance well logging method and apparatus

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flaum; Charles	Ridgefield	CT		
Kleinberg; Robert L.	Ridgefield	CT		

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw	D
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 6. Document ID: US 6005389 A

L26: Entry 6 of 6

File: USPT

Dec 21, 1999

US-PAT-NO: 6005389

DOCUMENT-IDENTIFIER: US 6005389 A

TITLE: Pulse sequences and interpretation techniques for NMR measurements

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prammer; Manfred G.	Downington	PA		

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw	D
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Term	Documents
BITUMEN	20315
BITUMAN	24
BITUMENS	1820
BITUMANS	0
(24 AND BITUMEN).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	6
(L24 AND (BITUMEN)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	6

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1. Document ID: US 6140817 A

Using default format because multiple data bases are involved.

L36: Entry 1 of 2

File: USPT

Oct 31, 2000

US-PAT-NO: 6140817

DOCUMENT-IDENTIFIER: US 6140817 A

TITLE: Magnetic resonance well logging method and apparatus

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flaum; Charles	Ridgefield	CT		
Kleinberg; Robert L.	Ridgefield	CT		

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUMC	Drawn
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2. Document ID: US 6005389 A

L36: Entry 2 of 2

File: USPT

Dec 21, 1999

US-PAT-NO: 6005389

DOCUMENT-IDENTIFIER: US 6005389 A

TITLE: Pulse sequences and interpretation techniques for NMR measurements

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prammer; Manfred G.	Downington	PA		

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KUMC	Drawn
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Term	Documents
WEIGHT\$4	0
WEIGHT	1911115
WEIGHTA	5
WEIGHTABLE	56
WEIGHTABLY	3
WEIGHTACT	1
WEIGHTAGE	305
WEIGHTAGES	56
WEIGHTAGG	1
WEIGHTALL	2
WEIGHTALOW	2
(L35 AND (WEIGHT\$4 OR WAIT\$4)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2

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